



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

MEMORANDUM

SUBJECT: **Myclobutanil:** Dietary Risk Assessment for the Proposed Use in/on Almonds (Meat and Hulls) (PP#OF3876).

FROM: Jennifer M. Wintersteen *Jennifer M. Wintersteen*
 Dietary Risk Evaluation Section
 Science Analysis Branch/HED (7509C)

TO: Carl Grable/Connie Welch, PM Team 21
 Insecticide-Rodenticide Branch
 Registration Division (7505C)

THROUGH: Elizabeth A. Doyle, Ph.D., Section Head *E.A. Doyle*
 Dietary Risk Evaluation Section
 SAB/Health Effects Division *WJW*

Action Requested

Provide a Dietary Risk Evaluation System (DRES) analysis of the dietary exposure for myclobutanil through the proposed use in or on almonds. The following tolerances are being recommended due to this petition:

<u>Commodity</u>	<u>Tolerance</u>
Almonds, meat	0.1 ppm
Almonds, hulls	2.0 ppm
Milk	0.2 ppm
Meat (cattle, goats, hogs, horses, sheep)	0.1 ppm
Meat by-products (except liver) (cattle, goats, hogs, horses, sheep)	0.2 ppm
Liver (cattle, goats, hogs, horses, sheep)	1.0 ppm

Discussion

Toxicological Endpoint

The chronic analysis used a Reference Dose (RfD) of 0.025 mg/kg body weight/day, based on a no observed effect level (NOEL) of 2.49 mg/kg bwt/day and an uncertainty factor of 100. The NOEL is based on a two-year rat feeding study that demonstrated testicular atrophy in males as an effect at the LOEL (G. Ghali memo, 6/16/94). An assessment of acute dietary risk is not appropriate for this chemical according to the HED Toxicology Endpoint Selection Document (P. Hurley memo, 7/12/94). Myclobutanil is classified as a Group E carcinogen.



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Residue Information

Food uses evaluated in this analysis were the published tolerances listed in the Tolerance Index System (TIS) and 40 CFR §180.443 and 185.4350 and the proposed use on almonds (M. J. Nelson memo, 3/8/95). Recently tolerances for myclobutanol on cottonseed, stone fruits, cherries, and dried plums have been finalized in the Federal Register. These items were updated in the DRES file to a 'published' type. A pending tolerance on pome fruits is found in the DRES file for myclobutanol. The exposure due to these pending commodities was not included in the estimate of risk for this petition.

Meat, milk, poultry and egg tolerances are already published for myclobutanol. Recommendation has been made to increase the existing tolerances for these commodities by CBTS due to the petition on almonds. Since all meat and milk tolerances being recommended are higher than the published tolerance a new entry for each meat and milk item was added so that the sum of the two items equalled the recommended tolerance. A summary of the residue information used in this analysis is attached as Table 1.

Results

A DRES chronic exposure analysis was performed using tolerance level residues and 100 percent crop treated information to estimate the Theoretical Maximum Residue Contribution (TMRC) for the general population and 22 subgroups. Summaries of the TMRCs and their representations as percentages of the Reference Dose (RfD) are included as Tables 2 and 3.

For chronic dietary exposure from published uses of myclobutanol and the new use on almonds and meat/milk the TMRC for the general U.S. population and the most highly exposed subgroup are as follows (as percent of the Reference Dose):

U.S. population	16%
Non-nursing Infants < 1 yr	98%

Exposure for all published commodities and including the proposed use on almonds for the U.S. general population is equal to 4×10^{-3} mg/kg/day, or 16% of the RfD for myclobutanol. Exposure for all published commodities as well as the newly proposed use on almonds for non-nursing infants < 1 year, the most highly exposed subgroup, is 2.5×10^{-2} mg/kg/day, or 98% of the RfD. Approximately 52% of the RfD is consumed by exposure to milk for this subgroup. Another 27% of the RfD is taken up by the exposure to the stone fruits group.

Conclusions

The ~~analysis~~ for myclobutanol is considered a worst case estimate of dietary risk with all residues at ~~tolerance~~ level and 100 percent of the commodities assumed to be treated with myclobutanol. **Although** the dietary risk from exposure to myclobutanol in or on almonds appears to be approaching the reference dose for non-nursing infants this analysis is unrefined and probably overestimates potential risk from almonds and almond hulls as a feed item.

DRES recommends RD request percent of crop treated data from BEAD in order to further refine the exposure estimates and dietary risk. If the pending petition on pome fruits becomes final the exposure will be equal to 101% of the RfD for non-nursing infants.

Attachments

cc: DRES, Caswell #723K, Tox II, CBTS (M. J. Nelson)

Table 1.

CHEMICAL INFORMATION FOR CASHWELL NUMBER 723K

DATE: 05/02/95

PAGE: 1

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Myclobutanil (Systane/Rally) Cashwell #723K CAS No. 88671-89-0 A.T. CODE: 128857 CFR No. 180.443 185.4356	2yr feeding- rat NOEL= 2,4900 mg/kg 50.00 ppm LEL= 9.8400 mg/kg 200.00 ppm	Testicular atrophy	ADI UF -->100 OPP Rfd= 0.025000 EPA Rfd= 0.000000	No data gaps.	HED reviewed 01/27/88 EPA verified 02/25/88 WHO reviewed 1992 RfD/PR reviewed 04/28/94 EPA deferred 04/28/94 On IRIS.
INFO: E (Rfd/PR Committee) entity in rats or mice.					

FOOD CODE	FOOD NAME	PETITION NUMBER	NEW	TOLERANCE (PPM) PENDING	PUBLISHED
01014AA	GRAPES-FRESH	7F3476		1.000000	
01014DA	GRAPES-RAISINS	7H5524		10.00000 H	
01014JA	GRAPES-JUICE	7F3476		1.000000	
03001AA	ALMONDS	0F3876		0.100000	
04001AA	APPLES-FRESH	7F3476		0.500000	
04001DA	APPLES-DRIED	7F3476		0.500000	
04001JA	APPLES-JUICE	7F3476		0.500000	
04002AA	CRABAPPLES	9F3812		0.500000	
04003AA	PEARS-FRESH	9F3812		0.500000	
04003DA	PEARS-DRIED	9F3812		0.500000	
04004AA	QUINCES	9F3812		0.500000	
05001AA	APRICOTS-FRESH	1F3954		2.000000	
05001DA	APRICOTS-DRIED	1F3954		2.000000	
05002AA	CHERRIES-FRESH	2F4116		5.000000	
05002DA	CHERRIES-DRIED	2F4116		5.000000	
05002JA	CHERRIES-JUICE	2F4116		5.000000	
05003AA	NECTARINES	9F3811		2.000000	
05004AA	PEACHES-FRESH	9F3811		2.000000	
05004DA	PEACHES-DRIED	9F3811		2.000000	
05005AA	PLUMS(DAMSONS)-FRESH	1F3954		2.000000	
05005DA	PLUMS-PRUNES(DRIED)	1H5608		8.000000 H	
05005JA	PLUMS, PRUNE-JUICE	1F3954		2.000000	
27003AA	COTTONSEED-OIL	4F4317		0.020000	
27003MA	COTTONSEED-MEAL	4F4317		0.020000	
43058AA	WINE AND SHERRY	7F3476		1.000000	
500000B	MILK-NON-FAT SOLIDS	7F3476		0.050000	
500000B	MILK-NON-FAT SOLIDS	0F3876		0.150000	
500001FA	MILK-FAT SOLIDS	7F3476		0.050000	
500001FA	MILK-FAT SOLIDS	0F3876		0.150000	
500001FA	MILK SUGAR (LACTOSE)	7F3476		0.050000	
500001FA	MILK SUGAR (LACTOSE)	0F3876		0.150000	
53001BA	BEEF-MEAT BYPRODUCTS	7F3476		0.050000	
53001BA	BEEF-MEAT BYPRODUCTS	0F3876		0.150000	
53001BB	BEEF(ORGAN MEATS)-OTHER	7F3476		0.050000	
53001BB	BEEF(ORGAN MEATS)-OTHER	0F3876		0.150000	
53001DA	BEEF-DRIED	7F3476		0.050000	
53001DA	BEEF-DRIED	0F3876		0.050000	
53001FA	BEEF(BONELESS)-FAT (BEEF TALLOW)	7F3476		0.150000	
53001FA	BEEF(BONELESS)-FAT (BEEF TALLOW)	0F3876		0.150000	
53001KA	BEEF(ORGAN MEATS)-KIDNEY	7F3476		0.050000	

Table 1.

CHEMICAL INFORMATION FOR CASHMELL NUMBER 723K

DATE: 05/02/95

PAGE: 2

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Myclobutanil (Systane/Rally)	2yr feeding- rat	Testicular atrophy.	AD1 UF >100 OPP RfD= 0.025000 EPA RfD= 0.000000	No data gaps.	HED reviewed 01/27/88 EPA verified 02/25/88
Cashwell #723K	NOEL= 50.00 ppm				WHO reviewed 1992
CAS No. 88671-89-0	LEL= 9.8400 mg/kg				RfD/PR reviewed 04/28/94
A.I. CODE: 128857	LEL= 200.00 ppm	No evidence of carcinogenicity in rats or mice.			EPA deferred 04/28/94
CFR No. 180.443	ONCDO: E (RfD/PR Committee)				On IRIS.
185.4350					

FOOD CODE	FOOD NAME *	PETITION NUMBER	NEW	TOLERANCE (PPM)	PUBLISHED
53001KA	BEEF (ORGAN MEATS)-KIDNEY	0F3876	0.150000		
53001LA	BEEF (ORGAN MEATS)-LIVER	7F3476	0.300000		
53001LA	BEEF (ORGAN MEATS)-LIVER	0F3876	0.700000		
53001MA	BEEF (BONELESS)-LEAN (W/O REMOVEABLE FAT)	7F3476	0.050000		
53001MA	BEEF (BONELESS)-LEAN (W/O REMOVEABLE FAT)	0F3876	0.050000		
53002BA	GOAT-MEAT BYPRODUCTS	7F3476	0.050000		
53002BA	GOAT-MEAT BYPRODUCTS	0F3876	0.150000		
53002BB	GOAT (ORGAN MEATS)-OTHER	7F3476	0.150000		
53002BB	GOAT (ORGAN MEATS)-OTHER	0F3876	0.150000		
53002FA	GOAT (BONELESS)-FAT	7F3476	0.050000		
53002FA	GOAT (BONELESS)-FAT	0F3876	0.150000		
53002KA	GOAT (ORGAN MEATS)-KIDNEY	7F3476	0.150000		
53002KA	GOAT (ORGAN MEATS)-KIDNEY	0F3876	0.150000		
53002LA	GOAT (ORGAN MEATS)-LIVER	7F3476	0.300000		
53002LA	GOAT (ORGAN MEATS)-LIVER	0F3876	0.700000		
53002MA	GOAT (BONELESS)-LEAN (W/O REMOVEABLE FAT)	7F3476	0.050000		
53002MA	GOAT (BONELESS)-LEAN (W/O REMOVEABLE FAT)	0F3876	0.150000		
53002NA	HORSE	7F3476	0.050000		
53003AA	HORSE	0F3876	0.950000		
53005BA	SHEEP-MEAT BYPRODUCTS	7F3476	0.150000		
53005BA	SHEEP-MEAT BYPRODUCTS	0F3876	0.050000		
53005BB	SHEEP (ORGAN MEATS)-OTHER	7F3476	0.150000		
53005BB	SHEEP (ORGAN MEATS)-OTHER	0F3876	0.050000		
53005FA	SHEEP (BONELESS)-FAT	7F3476	0.150000		
53005FA	SHEEP (BONELESS)-FAT	0F3876	0.050000		
53005KA	SHEEP (ORGAN MEATS)-KIDNEY	7F3476	0.150000		
53005KA	SHEEP (ORGAN MEATS)-KIDNEY	0F3876	0.050000		
53005LA	SHEEP (ORGAN MEATS)-LIVER	7F3476	0.300000		
53005LA	SHEEP (ORGAN MEATS)-LIVER	0F3876	0.700000		
53005MA	SHEEP (BONELESS)-LEAN (W/O REMOVEABLE FAT)	7F3476	0.050000		
53005MA	SHEEP (BONELESS)-LEAN (W/O REMOVEABLE FAT)	0F3876	0.150000		
53006BA	PORK-MEAT BYPRODUCTS	7F3476	0.150000		
53006BA	PORK-MEAT BYPRODUCTS	0F3876	0.050000		
53006BB	PORK (ORGAN MEATS)-OTHER	7F3476	0.150000		
53006BB	PORK (ORGAN MEATS)-OTHER	0F3876	0.050000		
53006FA	PORK (BONELESS)-FAT (INCLUDING LARD)	7F3476	0.050000		
53006FA	PORK (BONELESS)-FAT (INCLUDING LARD)	0F3876	0.150000		
53006KA	PORK (ORGAN MEATS)-KIDNEY	7F3476	0.050000		
53006KA	PORK (ORGAN MEATS)-LIVER	0F3876	0.150000		
53006LA	PORK (ORGAN MEATS)-LIVER	7F3476	0.300000		

Table 1.

CHEMICAL INFORMATION FOR CASWELL NUMBER 723K

DATE: 05/02/95

PAGE: 3

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Myclobutanil (Systane/Rally)	2yr feeding- rat	Testicular atrophy.	ADI UF ->100 OPP RfD= 0.025000 EPA RfD= 0.000000	No data gaps.	HED reviewed 01/27/88 EPA verified 02/25/88 WHO reviewed 1992
Caswell #723K	NOEL= 2,4900 mg/kg ppm				RfD/PR reviewed 04/28/94
CAS No. 8867-89-0	NOEL= 50.00 mg/kg ppm				EPA deferred 04/28/94
A.I. CODE: 128857	LEL= 9.8400 mg/kg ppm	No evidence of carcinogenicity in rats or mice.			On IRIS
CFR No. 180.443	LEL= 200.00 mg/kg ppm				
CFR No. 185.4350	ONCO: E (RfD/PR Committee)				

FOOD CODE	FOOD NAME	PETITION NUMBER	TOLERANCE (PPM), PENDING	PUBLISHED
53006LA	PORK(ORGAN MEATS)-LIVER	0F3876	0.700000	0.050000
53006MA	PORK(BONELESS)-LEAN (W/O REMOVEABLE FAT)	7F3476		
53006MA	PORK(BONELESS)-LEAN (W/O REMOVEABLE FAT)	0F3876	0.050000	
55008BA	TURKEY-BYPRODUCTS	7F3476		0.020000
55008LA	TURKEY-GIBLETS (LIVER)	7F3476		0.020000
55008MA	TURKEY-FLESH(W/O SKIN, W/O BONES)	7F3476		0.020000
55008MB	TURKEY-FLESH(+SKIN,W/O BONES)	7F3476		0.020000
55008MC	TURKEY-UNSPECIFIED	7F3476		0.020000
55013BA	POULTRY, OTHER-BYPRODUCTS	7F3476		0.020000
55013LA	POULTRY, OTHER-GIBLETS(LIVER)	7F3476		0.020000
55013MA	POULTRY, OTHER-FLESH (+SKIN W/O BONES)	7F3476		0.020000
55014AA	EGGS-WHOLE	7F3476		0.020000
55014AB	EGGS-WHITE ONLY	7F3476		0.020000
55014AC	EGGS-YOLK ONLY	7F3476		0.020000
55015BA	CHICKEN-BYPRODUCTS	7F3476		0.020000
55015LA	CHICKEN-GIBLETS(LIVER)	7F3476		0.020000
55015MA	CHICKEN-FLESH(W/O SKIN,W/O BONES)	7F3476		0.020000
55015MB	CHICKEN-FLESH(+SKIN,W/O BONES)	7F3476		0.020000

Table 2.

CHEMICAL INFORMATION		STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	DATE: 05/02/95	PAGE: 1
Myclobutanil (Systane/Rally)	2yr feeding- rat NOEL= 2.4900 mg/kg CAS No. 88671-89-0 A.I. CODE: 128857 CFR No. 180.443 ONCO: E (RfD/PR Committee) 185.4350	Testicular atrophy. No evidence of carcinogenicity in rats or mice.	ADI OPP RfD= 0.025000 EPA RfD= 0.000000	-->100 UF No data gaps.	HED reviewed 01/27/88 EPA verified 02/25/88 WHO reviewed 1992 RfD/PR reviewed 04/28/94 EPA deferred 04/28/94 On 1R1S.		
POPULATION SUBGROUP	*						
U.S. POPULATION - 48 STATES							
U.S. POPULATION - SPRING SEASON							
U.S. POPULATION - SUMMER SEASON							
U.S. POPULATION - FALL SEASON							
U.S. POPULATION - WINTER SEASON							
NORTHEAST REGION							
NORTH CENTRAL REGION							
SOUTHERN REGION							
WESTERN REGION							
HISPANICS							
NON-HISPANIC WHITES							
NON-HISPANIC BLACKS							
NON-HISPANIC OTHERS							
NURSING INFANTS (< 1 YEAR OLD)							
NON-NURSING INFANTS (< 1 YEAR OLD)							
FEMALES (13+ YEARS, PREGNANT)							
FEMALES (13+ YEARS, NURSING)							
CHILDREN (1-6 YEARS OLD)							
CHILDREN (7-12 YEARS OLD)							
MALES (13-19 YEARS OLD)							
FEMALES (13-19 YEARS OLD, NOT PREG. OR NURSING)							
MALES (20 YEARS AND OLDER)							
FEMALES (20 YEARS AND OLDER, NOT PREG. OR NURSING)							
TOTAL TMRC (MG/KG BODY WEIGHT/DAY)							
CURRENT TMRC*							
NEW TMRC**							
ADJ UF -->100 OPP RfD= 0.025000 EPA RfD= 0.000000	0.002319	0.004153	16.611228	7.335780			
ADJ UF -->100 OPP RfD= 0.025000 EPA RfD= 0.000000	0.002189	0.003897	15.582768	6.831536			
ADJ UF -->100 OPP RfD= 0.025000 EPA RfD= 0.000000	0.002656	0.004457	17.829496	7.206548			
ADJ UF -->100 OPP RfD= 0.025000 EPA RfD= 0.000000	0.002246	0.004171	16.682500	7.699960			
ADJ UF -->100 OPP RfD= 0.025000 EPA RfD= 0.000000	0.002187	0.004087	16.349252	7.602232			
ADJ UF -->100 OPP RfD= 0.025000 EPA RfD= 0.000000	0.002614	0.004524	18.095892	7.641560			
ADJ UF -->100 OPP RfD= 0.025000 EPA RfD= 0.000000	0.002321	0.004233	16.930000	7.645644			
ADJ UF -->100 OPP RfD= 0.025000 EPA RfD= 0.000000	0.001773	0.003361	13.445736	6.355276			
ADJ UF -->100 OPP RfD= 0.025000 EPA RfD= 0.000000	0.002866	0.004908	19.631156	8.165592			
ADJ UF -->100 OPP RfD= 0.025000 EPA RfD= 0.000000	0.002531	0.004846	19.385820	9.263040			
ADJ UF -->100 OPP RfD= 0.025000 EPA RfD= 0.000000	0.002398	0.004229	16.91072	7.323668			
ADJ UF -->100 OPP RfD= 0.025000 EPA RfD= 0.000000	0.001717	0.003317	13.269628	6.403272			
ADJ UF -->100 OPP RfD= 0.025000 EPA RfD= 0.000000	0.002264	0.004300	17.200628	8.144440			
ADJ UF -->100 OPP RfD= 0.025000 EPA RfD= 0.000000	0.007318	0.010188	40.751500	11.479500			
ADJ UF -->100 OPP RfD= 0.025000 EPA RfD= 0.000000	0.014581	0.025335	101.340344	43.017468			
ADJ UF -->100 OPP RfD= 0.025000 EPA RfD= 0.000000	0.001674	0.002957	11.827084	5.129988			
ADJ UF -->100 OPP RfD= 0.025000 EPA RfD= 0.000000	0.002136	0.003835	15.339328	6.795300			
ADJ UF -->100 OPP RfD= 0.025000 EPA RfD= 0.000000	0.006399	0.011523	46.090248	20.494192			
ADJ UF -->100 OPP RfD= 0.025000 EPA RfD= 0.000000	0.003317	0.006496	25.984784	12.714912			
ADJ UF -->100 OPP RfD= 0.025000 EPA RfD= 0.000000	0.001718	0.003711	14.842692	7.969476			
ADJ UF -->100 OPP RfD= 0.025000 EPA RfD= 0.000000	0.001558	0.003078	12.312128	6.078832			
ADJ UF -->100 OPP RfD= 0.025000 EPA RfD= 0.000000	0.001395	0.002446	9.782768	4.203368			
ADJ UF -->100 OPP RfD= 0.025000 EPA RfD= 0.000000	0.001514	0.002446	9.785088	3.728112			

*Current TMRC does not include new or pending tolerances.
 **New TMRC includes new, pending, and published tolerances.

Table 3: Myclobutanil on Almonds

TOLERANCE ASSESSMENT SUMMARY FOR Myclobutanil (Systane/Rally) DATE: 05/02/95
CASWELL #723K

ANALYSIS FOR POPULATION SUB-GROUP: U.S. POPULATION - 48 STATES

EXISTING TOLERANCES (PUBLISHED ONLY)			
RESULT IN A TMRC OF:	0.002319	MG/KG/DAY	
THE EXISTING TMRC IS EQUIVALENT TO:	9.275	% OF THE ADI.	
PROPOSED NEW TOLERANCES (CURRENT PETITION ONLY)			
RESULT IN A TMRC OF:	0.001773	MG/KG/DAY	
THESE NEW TOLERANCES WILL OCCUPY:	7.089	% OF THE ADI.	
IF THE NEW TOLERANCES (CURRENT PETITION ONLY) ARE APPROVED THE RESULTANT TMRC WILL BE:	0.004092	MG/KG/DAY	
THE NEW TMRC WILL OCCUPY	16.365	% OF THE ADI.	
OTHER PENDING TOLERANCES EXCLUDING THE CURRENT NEW PETITION HAVE A TMRC OF:	0.000062	MG/KG/DAY	
THIS TMRC WILL OCCUPY	0.246	% OF THE ADI.	
IF ALL PENDING TOLERANCES (INCLUDING THE CURRENT NEW PETITION) ARE GRANTED THE RESULTANT TMRC WILL BE:	0.004153	MG/KG/DAY	
THE TOTAL TMRC WILL OCCUPY	16.611	% OF THE ADI.	

ANALYSIS FOR POPULATION SUB-GROUP: NON-NURSING INFANTS (< 1 YEAR OLD)

EXISTING TOLERANCES (PUBLISHED ONLY)			
RESULT IN A TMRC OF:	0.014581	MG/KG/DAY	
THE EXISTING TMRC IS EQUIVALENT TO:	58.323	% OF THE ADI.	
PROPOSED NEW TOLERANCES (CURRENT PETITION ONLY)			
RESULT IN A TMRC OF:	0.009966	MG/KG/DAY	
THESE NEW TOLERANCES WILL OCCUPY:	39.861	% OF THE ADI.	
IF THE NEW TOLERANCES (CURRENT PETITION ONLY) ARE APPROVED THE RESULTANT TMRC WILL BE:	0.024547	MG/KG/DAY	
THE NEW TMRC WILL OCCUPY	98.184	% OF THE ADI.	
OTHER PENDING TOLERANCES EXCLUDING THE CURRENT NEW PETITION HAVE A TMRC OF:	0.000790	MG/KG/DAY	
THIS TMRC WILL OCCUPY	3.156	% OF THE ADI.	
IF ALL PENDING TOLERANCES (INCLUDING THE CURRENT NEW PETITION) ARE GRANTED THE RESULTANT TMRC WILL BE:	0.025336	MG/KG/DAY	
THE TOTAL TMRC WILL OCCUPY	101.340	% OF THE ADI.	

ANALYSIS FOR POPULATION SUB-GROUP: CHILDREN (1-6 YEARS OLD)

EXISTING TOLERANCES (PUBLISHED ONLY)			
RESULT IN A TMRC OF:	0.006400	MG/KG/DAY	
THE EXISTING TMRC IS EQUIVALENT TO:	25.596	% OF THE ADI.	
PROPOSED NEW TOLERANCES (CURRENT PETITION ONLY)			
RESULT IN A TMRC OF:	0.004993	MG/KG/DAY	
THESE NEW TOLERANCES WILL OCCUPY:	19.970	% OF THE ADI.	
IF THE NEW TOLERANCES (CURRENT PETITION ONLY) ARE APPROVED THE RESULTANT TMRC WILL BE:	0.011392	MG/KG/DAY	
THE NEW TMRC WILL OCCUPY	45.566	% OF THE ADI.	
OTHER PENDING TOLERANCES EXCLUDING THE CURRENT NEW PETITION HAVE A TMRC OF:	0.000132	MG/KG/DAY	
THIS TMRC WILL OCCUPY	0.524	% OF THE ADI.	
IF ALL PENDING TOLERANCES (INCLUDING THE CURRENT NEW PETITION) ARE GRANTED THE RESULTANT TMRC WILL BE:	0.011523	MG/KG/DAY	
THE TOTAL TMRC WILL OCCUPY	46.090	% OF THE ADI.	



13544

R149033

Chemical: Myclobutanil

PC Code:
128857

HED File Code: 14000 Risk Reviews
Memo Date: 5/2/1995
File ID: 00000000
Accession #: 000-00-0120

HED Records Reference Center
6/19/2007